|      | Index of Claims                                  |   |               |               |           |           |           |          |                             |            |           |          |            | The state of the s |         |         |              |          |            |         |    |          | reprisands)   |                 |          |               |              |    |    |              |                 |   |
|------|--|---|---------------|---------------|-----------|-----------|-----------|----------|-----------------------------|------------|-----------|----------|------------|--|---------|---------|--------------|----------|------------|---------|----|----------|---------------|-----------------|----------|---------------|--------------|----|----|--------------|-----------------|---|
|      |  |   |               |               |           |           |           |          |                             |            |           |          | 10/665,225 |  |         |         |              |          |            |         |    |          | TAKEDA ET AL. |                 |          |               |              |    |    |              |                 |   |
|      |  |   |               |               |           |           |           |          |                             |            |           |          |            | Examiner   |         |         |              |          |            |         |    |          |               | Art Unit        |          |               |              |    |    |              |                 |   |
|      |  |   |               |               |           |           |           |          |                             |            |           |          |            | Thoi V Duong   |         |         |              |          |            |         |    |          | 2871          |                 |          |               |              |    |    | ,            |                 |   |
|      | í  | ( <del>  ,                                   </del> |               |               |           |           |           |          |                             |            |           |          |            |  |         |         | 1 [          |          |            |         |    |          |               | П               | 1        |               |              |    |    | 1            |                 |   |
| canc | Rejected   |   |               |               |           |           |           | -        | (Through numer<br>Cancelled |            |           |          | era        | al)  |         | N       | Non-Elected  |          |            |         | A  | Appeal   |               |                 |          |               |              |    |    |              |                 |   |
| Col  | 7/   | = Allowed   |               |               |           |           |           |          | +                           | Restricted |           |          |            |  |         | 1       | Interference |          |            | ı       | 0  | Objected |               |                 |          |               |              |    |    |              |                 |   |
| 1/1  |  |   |               |               |           |           |           |          |                             |            |           |          |            |  |         |         | ]            |          | - Interior |         |    |          |               |                 |          |               |              |    |    | J            |                 |   |
|      |  | aim Date  |               |               |           |           |           | •        | _                           | _          |           | Claim    |            |  |         |         | )            |          |            | ]       | CI | aim      |               |                 |          | Dа            | te           |    | _  |              |                 |   |
|      | _  | Ja.   | 껰             | -             |           |           |           |          |                             | ıΙ         |           | _        | ᅙ          | l  | 1       |         |              | 1        |            |         |    | =        | ᅙ             |                 |          |               |              |    | 1  |              |                 |   |
|      | Final  | Original  |               |               |           |           |           |          |                             | .          |           | Final    | Original   | l  | 1       |         |              |          |            |         |    | Final    | Original      |                 |          |               |              |    | ļ  |              |                 |   |
|      | <u> </u>   | (D)   | Н             | Н             | -         | <b>/</b>  |           | _        | Н                           | $\dashv$   | -         | -        | 51         | +  | +       | +-      | $\vdash$     | -        | +          | ╁       | ┨  | <u> </u> | 101           | $\vdash$        | +        | +             | ╀            | ╀  | ╀╌ | ╀╌           | Н               | j |
|      | <u> </u>   | */  | $\dashv$      | Н             | 7         | Н         | Н         |          | $\vdash$                    | 一          | $\dashv$  |          | 52         | 十  | +       | +       |              |          | $\dashv$   | +       | 1  |          | 102           | H               | +        | $\top$        | $\dagger$    | +  | H  | 1            | Н               |   |
|      |  | 3   |               |               |           | П         |           |          | $\Box$                      | $\square$  |           |          | 53         | $\Box$   | I       |         |              | $\Box$   | $\Box$     | $\perp$ | ]  |          | 103           |                 | $\Box$   | ightharpoonup | I            | I  | L  |              | $\Box$          |   |
|      |  | 4   | $\vdash$      | $\mathcal{A}$ | _         |           |           | _        | Ш                           | $\dashv$   | 4         |          | 54         | +  | +       | ╁-      |              | _        | -          |         | -  | <u> </u> | 104           | Н               | +        |               | ╀            | +  | ₽  | <b>├</b>     | $\vdash$        |   |
|      | <u> </u>   | Б<br>/6   | $\vdash$      | Н             | Н         | $\vdash$  | Н         | $\dashv$ | $\vdash$                    | $\dashv$   | $\dashv$  | -        | 55<br>56   | +  | ╁       | +       | ╁╌┤          | -+       | +          | +       | 1  | -        | 105<br>106    | ╌┼              | +        | - -           | ┿            | +- | ╁╴ | Н            | Н               |   |
|      | ┢  | 7   | A             | Н             | H         | Н         | H         |          | H                           | 一          | $\dashv$  | <b></b>  | 57         | +  | ╅       | †       |              | $\dashv$ | +          | 十       | 1  |          | 107           | Н               | +        | +             | $^{+}$       | T  | ╈  | 怈            | Н               |   |
|      |  | (8)   | Ż             |               |           |           |           |          |                             |            |           |          | 58         |  |         |         |              | $\Box$   | 土          |         | 1  |          | 108           |                 |          |               |              | L  |    |              |                 |   |
|      |  | 9/  | $\Box$        | $\forall$     |           |           | Ш         |          | Ш                           | $\square$  | $\Box$    |          | 59         | 4  | 4       | _       |              | _        | 1          |         | ]  |          | 109           | П               | 4        |               | Ţ            | L  | L. |              |                 |   |
|      | ├  | 16/<br>11/  | Н             | $\forall$     | Н         | $\vdash$  | Н         | Ш        | Н                           | $\vdash$   | -         | -        | 60<br>61   | +  | -       | ╀       | $\vdash$     | -        | -          | +       | ┨  |          | 110<br>111    | $\vdash$        | -        | +             | ╀            | +  | ╀  | ₩            | $\vdash$        |   |
|      | ├  | 12  | Н             |               | $\forall$ | Н         | Н         |          | $\vdash$                    | $\vdash$   | $\dashv$  | -        | 62         | +  | +       | +       | $\vdash$     | $\dashv$ | +          | +       | ┨  | -        | 112           | H               | +        | +             | +-           | ╁  | ╀  | ┢            | Н               |   |
|      |  | (13)  | V             |               | •         |           | Н         |          | Н                           | $\dashv$   | ┪         | $\vdash$ | 63         | 十  | 十       | 十       |              | ᆉ        | +          | 十       | 1  |          | 113           | H               | $\top$   | 十             | ╁            | +  | †- | H            | $\Box$          |   |
|      |  | 14  | 7             |               |           |           | İ         |          |                             | 口          |           |          | 64         |  |         | T       |              |          |            |         | 1  |          | 114           |                 |          |               | İ            |    |    |              |                 |   |
|      |  | 15  | Y             |               | П         | П         |           |          | $\Box$                      | $\Box$     |           |          | 65         |  | $\perp$ | L       |              | 4        | $\bot$     | $\perp$ | ]  |          | 115           | П               | $\Box$   | $\bot$        | Ţ            | I  |    |              | П               |   |
|      | <u> </u>   | 16  | 4             | 4             | Н         | Ш         | Н         |          | $\vdash$                    | $\dashv$   |           | <u> </u> | 66         | +  | +       | $\bot$  | Н            |          | -          | _       | 4  | -        | 116           | $\vdash$        | -        | +             | +            | ╄  | ╀  | ⊢            | $\vdash \vdash$ |   |
| 3    | ├  | (7)<br>18   | $\vdash$      |               | Н         |           | -         |          | $\vdash$                    | $\vdash$   | -         | <b>-</b> | 67<br>68   | +  | +       | +-      | Н            | -        | +          | +       | 1  |          | 117<br>118    | $\vdash$        | +        | ╁             | ┽            | ╁╾ | ╁╌ | ├            | Н               |   |
| )    |  | 18  | Н             |               | Н         | /         | -         | -        | $\vdash \vdash$             | $\dashv$   | _         | <u> </u> | 69         | +  | $\top$  |         | Н            | $\dashv$ | +          | +       | 1  | <b>-</b> | 119           | ╁┼              | +        | 十             | +            | ╁╴ | 1  | ┢            | Н               |   |
|      |  | 20  |               |               |           |           |           |          |                             | 口          |           |          | 70         | 工  | 工       |         |              |          | Ī          |         | 1  |          | 120           |                 | 1        |               |              | I  |    |              | 口               |   |
|      |  | /21   | $\downarrow$  | $\Box$        | 1         |           |           |          | Ш                           | П          |           |          | 71         | 4  | $\perp$ |         |              | _        | _          | $\bot$  | 4  |          | 121           | Ш               | 4        | $\bot$        | L            | _  | _  |              | Ш               |   |
|      | <u> </u>   | (22)<br>23  | $\rightarrow$ | Н             | И         | Н         | Н         |          | Н                           | $\dashv$   | _         |          | 72<br>73   | +  | +       | +-      | $\vdash$     | $\dashv$ | +          | +       | -  | $\vdash$ | 122           | $\vdash$        | +        | +             | +            | +- | ╀  | ╁            | $\vdash$        | , |
|      | <del>                                     </del> | 24  | Н             | $\forall$     | Н         | Н         | H         |          | Н                           | $\dashv$   | -         |          | 74         | +  | -       | ┿       | ┤┤           | $\dashv$ | +          | +-      | 1  | $\vdash$ | 124           | ┼╌┼             | +        | +             | ╁            | ┿  | -  | $\vdash$     | Н               |   |
|      |  | 24<br>25  |               | X             | $\Box$    | П         | Н         |          | $\Box$                      | $\neg$     | _         |          | 75         | 7  | $\top$  | ╁       | $\Box$       | 7        | 十          | +       | 1  |          | 125           | H               | 寸        | $\top$        | $\dagger$    | T  | t  | П            | П               |   |
|      |  | /26<br>(27)   |               | $\mathcal{L}$ | $\sum$    |           |           |          |                             | $\Box$     |           |          | 76         |  |         |         |              |          |            |         | ]  |          | 126           |                 | $\Box$   |               |              |    |    |              | $\Box$          |   |
|      |  | (27)  |               | _             |           | $\sqcup$  |           |          | Ш                           |            | _         | <b>└</b> | 77         | -  | -       | +-      | $\sqcup$     | -        |            | _       | 4  | <u> </u> | 127           |                 | 4        | $\bot$        | $\downarrow$ | ╀  | ╄  | igspace      | Ш               |   |
|      |  | 28<br>789<br>80                                     | /             | $\vdash$      | Н         | $\forall$ | Н         |          | Н                           | $\dashv$   | $\dashv$  |          | 78<br>79   | +  | ╁       | ╫       | ┨            | -        | +          | +       | ┨  | -        | 128<br>129    | $\vdash$        | +        | +             | +            | +- | ╁  | <del> </del> | $\vdash\vdash$  | , |
|      | <b> </b>   | ão.   |               | $\vdash$      | Н         |           | $\forall$ | $\neg$   | Н                           | 一          | $\dashv$  |          | 80         | +  | +       | +       | H            | 一        | $\dashv$   | +       | 1  | $\vdash$ | 130           | $\vdash$        | $\dashv$ | ╅             | +            | ╈  | ╁  | -            | $\vdash$        |   |
|      |  | /31/  |               |               |           |           | Z         |          |                             |            |           |          | 81         | $\Box$   |         |         |              |          |            |         | 1  |          | 131           |                 |          |               |              |    |    |              |                 |   |
|      |  |   |               |               |           | Π         |           |          | $\Box$                      | $\Box$     | $\Box$    |          | 82         | $\perp$  |         | $\bot$  |              | $\Box$   |            | $\perp$ | ]  |          | 132           | П               | $\perp$  | $\perp$       | I            | T  |    | $\Box$       |                 |   |
|      |  | ( <u>73</u> )                                       | _             | Н             | Н         |           | ш         | 1        | Н                           | $\dashv$   |           | <u> </u> | 83         | +  | -       | ┷       | Н            | -        | +          | +-      | 4  |          | 133           |                 | $\dashv$ | +             | +            | ╀  | 1  | ₩            | Н               |   |
|      |  | 34<br>35  |               | -             | Н         |           | Н         |          | Н                           | $\vdash$   | -1        | <u> </u> | 84         | +  | +       | +       | $\vdash$     | +        | +          | +-      | 1  |          | 134<br>135    | ╌┼              | +        | +             | +            | ╁  | ╀  | H            | Н               |   |
|      |  | 36  |               | Н             | Н         | $\vdash$  | Н         | $\vdash$ | $\vdash$                    | $\Box$     | $\dashv$  |          | 86         | +  | +       | +       | H            | 十        | ┪          | +       | 1  | <b>—</b> | 136           | $\vdash$        | $\dashv$ | +             | +            | +  | H  | ╁            | Н               |   |
|      |  | 37  |               | Н             | П         | Н         | М         |          | П                           | $\Box$     | $\dashv$  |          | 87         | $\neg$   | 1       | 1       | П            |          | 十          | $\top$  | 1  |          | 137           |                 | $\top$   |               | $^{\dagger}$ | 1  | T  | Т            | П               |   |
|      |  | 38  |               |               |           |           |           |          |                             |            | $\Box$    |          | 88         |  | $\perp$ | $\perp$ |              |          | $\Box$     | $\perp$ | ]  |          | 138           |                 | $\Box$   |               | I            | L  |    |              |                 |   |
|      | L  | 39  |               | Ш             |           |           |           |          | Ш                           | $\square$  | _         | <u> </u> | 89         | _  | 4       | - -     | Ш            | _        | _ _        | 4       | 4  |          | 139           |                 | 4        | _             | ╄            | ╀- | ↓_ | Ш            | Ш               |   |
|      | $\vdash$   | 40<br>41  | $\dashv$      | щ             | Н         | Н         | Н         | Н        | $\vdash \dashv$             |            | $\dashv$  | $\vdash$ | 90         | +  | +       | +       | ╁            | $\dashv$ | +          | +       | ┨  | <u> </u> | 140<br>141    | $\vdash$        | +        | +             | +            | +  | +- | ₩            | $\vdash\vdash$  |   |
|      | <del>                                     </del> | 42  | Н             | $\dashv$      | Н         | Н         | Н         | -        | $\vdash$                    |            | $\dashv$  | -        | 92         | ╁  | +       | ┿       | $\vdash$     | +        | +          | +       | 1  | $\vdash$ | 142           | $\vdash \vdash$ | +        | +             | +            | +  | +  | ╁            | Н               |   |
|      |  | 43  |               |               | H         | Н         | Н         |          |                             | $\dashv$   | $\exists$ |          | 93         | 寸  | _       | ナー      | ╁┤           | _        | _†         | 士       | 1  |          | 143           | 口               | $\top$   | _             | 士            | T  | Τ  |              | $\Box$          |   |
|      |  | 44  |               |               |           |           |           |          |                             | 二          |           |          | 94         |  | I       |         |              |          |            |         | ]  |          | 144           |                 | Ι        |               | I            |    |    |              |                 |   |
|      | <u> </u>   | 45  | Ц             |               | Ц         | Ц         |           |          | Ш                           | Д          | _         |          | 95         | $\perp$  | 1       | +       | $\Box$       | 4        | $\perp$    | $\perp$ | -  | <b>_</b> | 145           | $\sqcup$        | 4        | $-\Gamma$     | Ĺ            | +  | L  |              | Ш               | ļ |
| •    | <del> </del>                                     | 46<br>47  | $\vdash$      | $\dashv$      | Н         | Н         | $\vdash$  | -        | $\vdash$                    | $\dashv$   | $\dashv$  | <u> </u> | 96<br>97   | +  | +       | +-      | $\vdash$     | +        | +          | +-      | ┨  | -        | 146           | ⊢┼              | +        | +             | ╀            | +  | ╀  | $\vdash$     | Н               | ļ |
|      | $\vdash$   | 48  | $\vdash$      |               | Н         | Н         | Н         | Н        | $\vdash\vdash$              | $\dashv$   | $\dashv$  | -        | 98         | +  | +       | +       | $\vdash$     | $\dashv$ | +          | +-      | ┨  | -        | 148           | ┼┼              | +        | +             | +            | ╁  | ╁  | H            | Н               | ļ |
|      |  | 49  | $\dashv$      | $\dashv$      | H         | $\dashv$  | $\vdash$  | $\neg$   | П                           | $\dashv$   | $\dashv$  |          | 99         | +  | 十       | +-      | $\vdash$     | $\dashv$ | +          | +       | 1  |          | 149           |                 | †        | $\top$        | T            | T  | t  | Н            | П               | , |
| :    |  | 50  |               | $\dashv$      |           |           |           |          | $\sqcap$                    | ┪          | $\neg$    |          | 100        | 1  | 1       | $\top$  | П            | $\neg$   | 十          |         | 1  |          | 150           | $\Box$          | 十        | $\top$        | ✝            | 1  | T  | П            | П               |   |

Application No.

Applicant(s)